From the INTERNATIONAL SEARCHING AUTHORITY

To: DAVID L. FEIGENBAUM	PCT				
FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of mailing (day/month/year)				
Applicant's or agent's file reference 12144-030WO1	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US06/47963	International filing date (day/month/year) 15 December 2006 (15.12.2006)				
Applicant AIRVANA, INC.					
The applicant is hereby notified that the international sea Authority have been established and are transmitted here	arch report and the written opinion of the International Searching				
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the company of the statement and the company of the statement under Article 19					
When? The time limit for filing such amendments i search report.	is normally two months from the date of transmittal of the international				
Where? Directly to the International Bureau of WIP 1211 Geneva 20, Switzerland, Facsimile No.					
For more detailed instructions, see the notes on the					
	rch report will be established and that the declaration under the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) add	litional fee(s) under Rule 40.2, the applicant is notified that:				
request to forward the texts of both the protest and	een transmitted to the International Bureau together with the applicant's the decision thereon to the designated Offices. pplicant will be notified as soon as a decision is made.				
4. Reminders					
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.					
The applicant may submit comments on an informal basis_on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
Guide, Volume II, National Chapters and the WIPO Internet site					
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US	Authorized officer of S 1 -1 NL				
Commissioner for Patents P.O. Box 1450	JOSE DEES CHAMS. LIMB				
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Telephone No. 571-272-1569				

From the INTERNATIONAL SEARCHING AUTHORITY						
To: DAVID L. FEIGENBAUM	PCT					
FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION					
	(PCT Rule 44.1)					
	Date of mailing (day/month/year) 26 SEP 2008					
Applicant's or agent's file reference 12144-030WO1	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No. PCT/US06/47963	International filing date (day/month/year) 15 December 2006 (15.12.2006)					
Applicant	, (,					
AIRVANA, INC.						
The applicant is hereby notified that the international sea Authority have been established and are transmitted here	arch report and the written opinion of the International Searching with.					
Filing of amendments and statement under Article 19. The applicant is entitled, if he so wishes, to amend the company of the statement under Article 19.						
When? The time limit for filing such amendments is search report.	s normally two months from the date of transmittal of the international					
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No						
For more detailed instructions, see the notes on the						
3. With regard to the protest against payment of (an) additional a	itional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has be request to forward the texts of both the protest and	een transmitted to the International Bureau together with the applicant's the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the ap	oplicant will be notified as soon as a decision is made.					
4. Reminders						
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of						
the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not						
Within 19 months from the priority date, but only in respect of	before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority					
date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.						
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.						
Name and mailing address of the ISA/ US	Auchariant affices of					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	JOSE DEES TAMS HAMP					
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 571-272-1569					
Facsimile No. (571) 273-3201 Form PCT/ISA/220 (January 2004)	(See notes on accompanying sheet					

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12144-030WO1	FOR FURTHER ACTION as we	see Form PCT/ISA/220 as well as, where applicable, item 5 below.			
International application No. PCT/US06/47963	International filing date (day/month/) 15 December 2006 (15.12.2006)	year) (Earliest) Priority Date (day/month/year) 16 December 2005 (16.12.2005)			
Applicant AIRVANA, INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of: the international application into language in which it was filed. a translation of the international application into					
	according to Rule 38.2(b), by this Au	uthority as it appears in Box No. IV. The applicant al search report, submit comments to this Authority.			
6. With regard to the drawings, a. the figure of the drawings to be p as suggested by the a as selected by this A	oublished with the abstract is Figure Napplicant. Authority, because the applicant failed outhority, because this figure better characterists.	to suggest a figure.			

Form PCT/ISA/210 (first sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/47963

A. CLA: IPC:	SSIFICATION OF SUBJECT MATTER H04Q 7/24(2006.01)						
USPC: 370/338 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIEL	DS SEARCHED	······································					
	Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/338; 445/444,436,446,449,517,524,450,451,452,455,512,440						
Documentati NONE	on searched other than minimum documentation to the	extent that such document	ts are included in	the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE							
C. DOC	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where a	ppropriate, of the relevant	passages	Relevant to claim No.			
Х	US 2002/0102976 A1 (NEWBURY et al.) 01 Augu	st 2002 (01.08.2002), see o	entire	1-48			
document. A,E US 7,251,491 B2 (THA) 31 July 2007 (31.07.2007), see entire document.				1-48			
A,E	US 7,162,247 B2 (BABA et al.) 09 January 2007 (0	9.01.2007), see entire doc	ument.	1-48			
A,P	US 7,072,663 B2 (RAMOS et al.) 04 July 2006 (04	07.2000), see entire docui	nem.	.1-48			
Further	r documents are listed in the continuation of Box C.	See patent fam	ily annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"T" later document purdate and not in comprinciple or theory "X" document of particular considered novel when the document of particular document of particular considered to involve considered to involve the document of particular considered to involve the document of particular considered to involve the document of particular considered to involve the data and the	later document published after the international filing date and not in conflict with the application but cited principle or theory underlying the invention document of particular relevance; the claimed inventiconsidered novel or cannot be considered to involve a when the document is taken alone document of particular relevance; the claimed inventiconsidered to involve an inventive step when the document of particular relevance;				
"O" document	t referring to an oral disclosure, use, exhibition or other means		e or more other such person skilled in the	documents, such combination art			
	t published prior to the international filing date but later than the late claimed	"&" document member	of the same patent f	amily			
Date of the a	ctual completion of the international search	Date of mailing of the international search report					
	r 2008 (24.09,2008)	26 SEP 2008					
Mai Cor P.O Ale	ailing address of the ISA/US il Stop PCT, Attn: ISA/US nmissioner for Patents b. Box 1450 xandria, Virginia 22313-1450 b. (571) 273-3201	JOSE DEES Telephone No. 571-272	•	Type			

Form PCT/ISA/210 (second sheet) (April 2007)

From the INTERNATIONAL SEARC	HING AUTHOR	RITY			
To: DAVID L. FEIGENBAUM FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			Date of mailing (day/month/year)		
Applicant's or agent's file	eference		FOR FURTHER ACTION See paragraph 2 below		
12144-030WO1 International application No). Ir	nternational filing date			
PCT/US06/47963	i i	5 December 2006 (15.		16 December 2005 (16.12.2005)	
International Patent Classif				10 December 2003 (10.12.2003)	
IPC: H04Q 7/24(2006 USPC: 370/338 Applicant	.01)				
AIRVANA, INC.		·—			
1. This opinion contains i	ndications relation	ng to the following iter	ns:		
Box No. I	Basis of the op	inion			
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of invention					
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI	Certain docum	ents cited			
Box No. VII	Certain defects	in the international ap	plication	\	
Box No. VIII	Certa	ain observations on the	international applic	ation	
2. FURTHER ACTIO	N				
International Prelimina	ry Examining A is one to be the	Authority ("IPEA") ex IPEA and the chosen I	ccept that this does PEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an international Bureau under Rule 66.1 bis(b) idered.	
IPEA a written reply	together, where SA/220 or befor	appropriate, with am e the expiration of 22	endments, before ti	PEA, the applicant is invited to submit to the he expiration of 3 months from the date of fority date, whichever expires later.	
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address Mail Stop PCT, Attr Commissioner for Pr P.O. Box 1450 Alexandria, Virginia	: ISA/US atents	Date of comple opinion 24 September 2	tion of this 008 (24.09.2008)	JOSE DEES Telephone No. 571-272-1569	

Facsimile No. (571) 273-3201 Form PCT/ISA/237 (cover sheet) (April 2007)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US06/47963

Box No. I Basis of this opinion						
1. With regard to the language, this opinion has been established on the basis of:						
the international application in the language in which it was filed						
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).	of					
2. This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to the	his					
Authority under Rule 91 (Rule 43bis.1(a)) 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of:						
a. type of material						
a sequence listing						
table(s) related to the sequence listing	•					
Lable(s) related to the sequence fishing						
b. format of material						
on paper						
in electronic form						
c. time of filing/furnishing						
contained in the international application as filed.						
filed together with the international application in electronic form.						
furnished subsequently to this Authority for the purposes of search.						
4. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
5. Additional comments:						

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/47963

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement				
	Novelty (N)	Claims NONE		YES	
		Claims 1-48		NO	
	Inventive step (IS)	Claims NONE		YES	
		Claims 1-48		NO	
	Industrial applicability (IA)	Claims 1-48		YES	
		Claims NONE		NO	

2. Citations and explanations:

Claims 1-48 lack novelty under PCT Article 33(2) as being anticipated by Newbury et al.

Regarding claims 1, 4, 13, 15, 17, 19, 22, 24, 27, 29, 36, 38, 40, Newbury teaches a method/system comprising: enabling a radio access network to cause an access terminal in communication with the radio access network to send an update including information about a location of the access terminal (0011,0015).

Regarding claims 2, 18, 23, 28, Newbury teaches a method of claim 1, wherein the radio access network causes the access terminal to send the update by broadcasting trigger information (0015).

Regarding claims 3, 5, 16, Newbury teaches a method of claim 2, wherein the trigger information comprises a trigger that is specific to a cell of the radio access network (0011,0012).

Regarding claims 6-8, Newbury teaches a method of claim 4, wherein the query information comprises a query that is specific to a carrier frequency on which a radio node of the radio access network or a different radio access network operates (0016).

Regarding claims 9-10, 20-21,25-26, 31,33-34, 41-44, Newbury teaches a method/system wherein the information comprises a sector identifier and a pilot strength associated with a sector of a macro cell and a sector of a pico cell (0016, 0017).

Regarding claims 11, 35, Newbury teaches a method of claim 1, further comprising: using the information sent by the access terminal to determine whether a handoff between cells of the radio access network is to be performed (0016, 0018).

Regarding claim 37, Newbury teaches a method of claim 36, wherein initiating further comprises sending a TrafficChannelAssignment message (0015, 0017, 0018, 0019, 0021)1

Regarding claims 47-48, Newbury teaches a method wherein the first cell and the second cell both operate on a common/different carrier frequency (0016). In the CDMA system the frequencies are the same for all the same.

Claims 1-48 meet the criteria set out in PCT Article 33(4), because the invention is useful to the industry.

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.